| Customer | | Type | Date |
|---|---|---|---|
| | | **Gamma80 4M** | **08.01.2007** |

## Module Consumptions

| Module | Used Media | Consumption per module | Remarks (internal pressure for modules) |
|---|---|---|---|
| **Coater** | Resist 1 | appr. x ml/wafer | Mini Cartridge Dispense |
| | Resist 2 | appr. x ml/wafer | CPD-1 ¼" tube ( nozzle ) |
| | EBR | appr. x ml/min | Pressurized tank 1 5ltr. |
| | BSR | appr. x ml/min | Pressurized tank 1 5ltr. |
| | Bowl wash / Solvent | appr. x ml/min | Pressurized tank 1 5ltr. |
| | Nozzle Clean | throttle | Pressurized tank 1 5ltr. |
| | CDA (venturi for EBR/Chuck/Bowl Wash) | appr. 150 Nl/min | p = 5.0 bar |
| | Nitrogen | appr. 10 Nl/min | p = 5.0 bar |
| | Exhaust | appr. 600 l/min | p < atm. p. - 600 Pa |
| **Developer AQ** | Dev.1 Fan Spray temp. | appr. x ml/min | Pressurized tank 2 20ltr. |
| | Dev.2 Puddle temp. | appr. x ml/min | Pressurized tank 3 20ltr. |
| | Topside rinse DI-H2O | appr. x ml/min | house |
| | Chamber rinse DI-H2O | appr. x ml/min | house |
| | Backside rinse DI-H2O | appr. x ml/min | house |
| | Nitrogen Topside | appr. 100 Nl/min | house |
| | CDA (venturi for chuck) | appr. 50 Nl/min | p = 5.0 bar |
| | Exhaust | appr. 600 l/min | p < atm. p. - 600 Pa |
| | Cooled water (media) | | Recirculating cooler F 30C |
| **Solvent Developer** | Developer 1 Fan Spray | appr. x ml/min | Pressurized tank 4 20ltr. |
| | Developer 2 Puddle | appr. x ml/min | Pressurized tank 5 20ltr. |
| | BSR | appr. x ml/min | Pressurized tank 4 20ltr. |
| | Chamber rinse | appr. x ml/min | Pressurized tank 4 20ltr. |
| | | | |
| | CDA (venturi for chuck) | appr. 50 Nl/min | p = 5.0 bar |
| | Nitrogen | appr. 100 Nl/min | p = 5.0 bar |
| | Exhaust | appr. 600 l/min | p < atm. p. - 600 Pa |
| **Temp.Module** | Nitrogen | appr. 5 x 5 Nl/min | p = 5.0 bar |
| | Exhaust | appr. 4 x 25 l/min | p < atm. p. - 600 Pa |
| | Vacuum | appr. 5 x 10 l/min | p = - 0.7 – - 0.9 bar |
| | Cooled water | | Recirculating cooler FC 600 |
| **Robot** | Vacuum | appr. 10 l/min | p = - 0.7 – - 0.9 bar |

## Connections To Facility

| Medium | Module | Consumption | Summary consumption | Tool connection | Remarks |
|---|---|---|---|---|---|
| **Electrical Power** | Coater<br>Developer AQ<br>Developer Solv.<br>Temp.Module<br>I/O Module<br>Centering Stat.<br>Robot | | appr. 14 KVA | Tool:<br>3x400VAC+N+PE,<br>60Hz<br>+6% / -10% | Imax = 21A<br>Fuse 3 x 25A |
| **Vacuum** | Temp. Modul<br>Robot | 50 l/min<br>10 l/min | appr. 60 l/min | Fitting:<br>SS ID12 or<br>ID1/2" (Option) | In Cabinet<br>House supply:<br>min. - 0.7 – - 0.9 bar |
| **CDA** | Coater<br>Developer AQ<br>Developer Solv. | 150 Nl/min<br>50 Nl/min<br>50 Nl/min | appr.250 Nl/min | Fitting:<br>SS ID12 or<br>ID1/2" (Option) | In Cabinet<br>House supply:<br>p = 6bar +/- 10% |
| **Nitrogen** | Coater<br>Developer AQ<br>Developer Solv.<br>Temp.Module | 10 Nl/min<br>100 Nl/min<br>100 Nl/min<br>4 x 5 Nl/min | appr. 230Nl/min | Fitting:<br>SS ID12 or<br>ID1/2" (Option) | In Cabinet<br>House supply:<br>p = 6bar +/- 10% |
| **DI water** | Developer | | | Fitting:<br>PFA ID1/2" | House supply:<br>p = 2.5 bar +/- 0.5 bar |

## Connections To Facility

| Medium | Module | Consumption | Summary consumption | Tool connection | Remarks |
|---|---|---|---|---|---|
| **Exhaust** | Coater | 600 l/min | 600 l/min | Connector 100 mm OD | In tool p < atm. p. - 600 Pa |
| | Developer AQ | 600 l/min | 600 l/min | Connector 100 mm OD | In tool p < atm. p. - 600 Pa |
| | Developer Solv. | 600 l/min | 600 l/min | Connector 100 mm OD | In tool p < atm. p. - 600 Pa |
| | Cabinet | 200 l/min | 200 l/min | Connector 100 mm OD | In tool p < atm. p. - 600 Pa |
| | Cabinet | 200 l/min | 200 l/min | Connector 100 mm OD | In tool p < atm. p. - 600 Pa |
| | Hotplate + Stepping Motor Controller | 200 l/min | 200 l/min | Connector 100 mm OD | In tool p < atm. p. - 600 Pa |
| **Drain** | Coater | --- | --- | Pipe 20 mm OD | 10 ltr.SS Waste Tank |
| | Developer AQ | --- | --- | Pipe 20 mm OD | Central drain |
| | Developer Solv. | --- | --- | Pipe 20 mm OD | Central drain |